

**Project Planning Phase**  
**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

Date	22 October 2022
Team ID	PNT2022TMID10506
Project Name	Machine Learning based Vehicle Performance Analyzer
Maximum Marks	8 Marks

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Pre-process data	USN-1	Collect Dataset	1	Low	Mahendranadh
Sprint-1		USN-2	Import required libraries	1	Low	Arun P
Sprint-1		USN-3	Read and clean data sets	2	Low	Mallikarjuna
Sprint-2	Model building	USN-1	Split data into independent and dependent variables	3	Medium	Mahendranadh
Sprint-2		USN-2	Apply using a regression model	3	Medium	Siva Mohan
Sprint-3	Application building	USN-1	Build python flask application and HTML page	5	High	Siva Mohan & Mahendranadh
Sprint-3		USN-2	Execute and test	5	High	Arun & Mallikarjuna
Sprint-4	Training the model	USN-1	Train machine learning model	5	High	Siva Mohan
Sprint-4		USN-2	Integrate flask	5	High	Arun & Mallikarjuna

### Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

### Burndown Chart:

